

1. Video management software manufacturer must support a non-proprietary, open architecture platform which is fully ONVIF profile S and G compliant. A copy of declaration of conformance from ONVIF can be provided if needed.
2. Video management software must have been granted the SAFETY Act Designation and Certification by the U.S Department of Homeland Security. Video management software must also be currently listed on DHS website at the time of bid.
3. Video management software must run on windows based platform.
4. Video management software must have a SDK and API integration team to ensure integration with third parties. For example, video analytics, true native open sip based intercoms (IP intercom with non-proprietary servers) and mapping.
5. Video management software shall support the concept of the federation feature whereby multiple independent bus or train installations can be merged into a single large virtual system for centralized monitoring, reporting, and alarm management spread across multiple facilities and/or geographic areas, while maintaining site independence. It also, when applicable, shall support a cloud-based deployment, whereby the service and infrastructure will be updated automatically and provisioned by the service provider without need for on-site hardware.
6. Video management software shall support archive transfer or wireless offload from bus or train to head end. Transfer video from a server to another server in the same system. Transfer video from a federated server to another server. Transfer video from camera storage to a server. It shall be possible to program video transfers either on a recurrent schedule, or to trigger them manually or upon connection. It shall be possible to filter the video of interest for a transfer.
7. Video management system will support Dynamic Graphical Maps (DGM). The DGM shall provide the following online map providers for use as map background and provide the ability to manage their service license if they require one: Google Map, aerial, terrain (Licensed), Bing Map, aerial, satellite, hybrid (Licensed), ESRI ArcGIS (Licensed), OpenStreet Map aerial and OVI hybrid.
8. Video management system will support live updates of vehicle locations on the map i.e. AVL/GPS.
9. Video management system must be able to trigger custom events based on the AVL/GPS unit reaching a geofenced area. When checked the head end AVL/GPS plugin will monitor that area/field and know that the area is a 'geofenced' area we want to receive alerts on. Then in mapping area you can just draw your polygon 'fence' and associate that area to it. Video management system will then fire custom events to act on (vehicle X entered area (bus depot) Y, vehicle A left area B, etc).
10. Full access to the input/outputs on the windows based rugged recorder. You can toggle monitoring states of inputs and will show up as another tab in the tile. When the input/output tab is selected you will have a widget pop up in the widget dashboard for control.
11. Video management system will link input/outputs on windows based rugged PC are to be linked to custom events. Video management system can configure all the things for the vehicle (bookmark based on turn signal, lightbar, etc, trigger alarm on a 'panic' input trigger, etc. fully customizable based on the application deployment need (rail, metro bus, school bus, squad car, etc).

12. Video management system must also have a tab in windows platform for POE control directly from Security Desk widget, so a technician can power cycle POE port that a camera is connected to without needing to log into the vehicle machine directly.